



RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/936,367

DATE: 12/11/2003  
TIME: 11:13:11

Input Set : A:\PTO.AMC.txt  
Output Set: N:\CRF4\12082003\I936367.raw

53 tctcccctcc gcactccttc tcgaactatg ccggcacat gcgttccaat ctgggaccat 1740  
 54 atgctcgaa caccgagcgg gcgtcctcggaatggatat caatctactt gccaccgctg 1800  
 55 catctcagggt tgagcgtgat gaacaacatt ttgggttcca cgctggtcca cgtaatcacc 1860  
 56 atttggtcgc ctgcgtc acacccggcgt gtggctgccc ttcctttca gctgtacgcca 1920  
 57 tctcgacag catgagccgt ttcactttc acgaggacga ggatggttac actcatcgcg 1980  
 58 tcaagcgctc aaggccta ac tcaccaaact cgaccgctcc gtcctcaccg actttctc 2040  
 59 acgactctct ttccccaaacg ccagaccaca ctccgttggc aaccctgtc cattcgccac 2100  
 60 gcttgaggcatttgcgatct agcgaactcc accttccttc gattcgccat ctgtccctcc 2160  
 61 atcacaccccc tgccttgct ccaatggagc cccagccgga aggccccaaac tattacagtc 2220  
 62 ccagccagtc tcatggtccc acaatcagcg atatcatgtc cagaccggac ggaacacagc 2280  
 63 gtaaaactgcc cggtccacag gttcccaagg tcgcggtgca agatatgtcg aaccctcagc 2340  
 64 ctgggttttc gtcgggttcc tcatcgacga ataactctgt cgcaggaaat gattggcag 2400  
 65 aacgtttcta gcctggtgcc gctgcgaaac ccttcaatg tataaagttt tgggctcaaa 2460  
 66 aaaaattctt gactgtcata cgcgtacga aacgaataga ctttgtcat ttacagtgcg 2520  
 67 tggttcatgg gcatccctgg tgcggctgg ctttcttgc ttactttgtt cgagataact 2580  
 68 tttgcaggc gtccatagtg atagacgggt gggatattct tgggtttt tccgtgttg 2640  
 69 ttcgattctc cccttcgct ctccctgaaa aataccttc ttatcctata accattttgtt 2700  
 70 tcattatccc aatgggatt ggctctacag ctcttattca tttgtctac tcctctcctg 2760  
 71 aggcccagtc ccctgataat tccgggctct accatataca tttcatttcg actatgtcag 2820  
 72 tttccgcttc gatttagacc tcgagcagga cgagagggtt ccgaaagaaa atacaacaa 2880  
 73 aaattatagt aatctgcgtt tactttggca taatacagta gtcattagtt gagtaggca 2940  
 74 taatctggat gtctaaaccat cacttgcctt aacctcttac catctgtcg tagtattttgt 3000  
 75 cttacccgaa acccaattca acgagataga tggattgacg aataacaatt tgggtccag 3060  
 76 cgacatgcat gatacatgcg tacgtacata cactaatagt agtcacagac cagttcatca 3120  
 77 catcctggtc tcgggtattc agatacggaa atgcgttaa tggaaagggt ctaagaaaaaa 3180  
 78 gcaaagaaaa aggaaaaagtt aacactggct ggcgtctct ttccatctt gatcaatgtt 3240  
 79 attttcgtc actcagctgt ggacgtggc ccagtcagt tgtgaattat gatagggtat 3300  
 80 tggacttg acaagttgat cttgatggaa tcaaatttc tcccccggccag attctgacgc 3360  
 81 ttgaggctct cgatcgaat gaacaacttt tcgcaccaca tcaaccgggtt gcccgtgt 3420  
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 83 ctgataccccc aagagacaaag aaggtaaagg tcgaaaaat ctttcaata agatggcattc 3540  
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 85 gggcttgggt agtgcggcgt caaaactact aatttaatga ccgactgtcg ctgtttttc 3660  
 86 actcgccgtc cacggactaa gcatgtggg acaggatcgc cccgtcaacta tttcagatcg 3720  
 87 tgcgtatca aggtgttcgc ccgggtctgc tggcacgaac gcccggccatc caagatcatt 3780  
 88 gtttcatttc aaaccggggcg gttacgtct agccggcggac gtaagcacga agagtgtgt 3840  
 89 tagtggtgaaatgtaaagccg ttggcggaaac catgcccgtcc tccacggccg tccgtcg 3900  
 90 atcaagcgac gtcgcctccg ctccatcctc atcaggggtt gatctctgg agacaagatg 3960  
 91 ggcggaaagggt ctcaccggcc aggagatatt agaagacgtt ggaacggggcg cgctcggt 4020  
 92 cccggcgtcc cgccctgtcc ggcaatataca tcaccatacc tatatctgtc tgggttat 4080  
 93 ctttagattgt caccacaccc tgcgtatgtt cgagcaatgg aagactcaccg ttctgagcca 4140  
 94 ctccgaaacc cacgaaccac cgccgtccctt ctatgtccgg gtgagcgggtt 4200  
 95 cagcgacacc cccgaacaga aaggatgggatcgc 4238  
 98 <210> SEQ ID NO: 2  
 99 <211> LENGTH: 431  
 100 <212> TYPE: PRT  
 101 <213> ORGANISM: Aspergillus oryzae  
 103 <400> SEQUENCE: 2  
 104 Met Pro Pro Pro Ala Ser Ser Val Asp Phe Thr Asn Leu Leu Asn Pro

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105	1	5	10	15												
107	Gln	Asn	Asn	Glu	Thr	Gly	Ser	Ala	Pro	Ser	Thr	Pro	Val	Asp	Ser	Ser
108					20				25				30			
110	Lys	Ala	Pro	Ser	Thr	Pro	Ser	Ser	Thr	Gln	Ser	Asn	Ser	Thr	Met	Ala
111						35				40			45			
113	Ser	Ser	Val	Ser	Leu	Leu	Pro	Pro	Leu	Met	Lys	Gly	Ala	Arg	Pro	Ala
114						50			55			60				
116	Thr	Glu	Glu	Ala	Arg	Gln	Asp	Leu	Pro	Arg	Pro	Tyr	Lys	Cys	Pro	Leu
117		65					70			75			80			
119	Cys	Asp	Arg	Ala	Phe	His	Arg	Leu	Glu	His	Gln	Thr	Arg	His	Ile	Arg
120						85				90			95			
122	Thr	His	Thr	Gly	Glu	Lys	Pro	His	Ala	Cys	Gln	Phe	Pro	Gly	Cys	Thr
123						100			105			110				
125	Lys	Arg	Phe	Ser	Arg	Ser	Asp	Glu	Leu	Thr	Arg	His	Ser	Arg	Ile	His
126						115			120			125				
128	Asn	Asn	Pro	Asn	Ser	Arg	Arg	Ser	Asn	Lys	Ala	His	Leu	Ala	Ala	Ala
129						130			135			140				
131	Ala	Ala	Ala	Ala	Ala	Gly	Gln	Gly	Gln	Glu	Asn	Ala	Met	Val	Asn	
132		145					150				155			160		
134	Val	Thr	Asn	Ala	Gly	Ser	Leu	Met	Pro	Pro	Pro	Thr	Lys	Pro	Met	Thr
135							165			170			175			
137	Arg	Ser	Ala	Pro	Val	Ser	Gln	Val	Gly	Ser	Pro	Asp	Val	Ser	Pro	Pro
138						180			185			190				
140	His	Ser	Phe	Ser	Asn	Tyr	Ala	Gly	His	Met	Arg	Ser	Asn	Leu	Gly	Pro
141					195			200			205					
143	Tyr	Ala	Arg	Asn	Thr	Glu	Arg	Ala	Ser	Ser	Gly	Met	Asp	Ile	Asn	Leu
144						210		215			220					
146	Leu	Ala	Thr	Ala	Ala	Ser	Gln	Val	Glu	Arg	Asp	Glu	Gln	His	Phe	Gly
147		225					230			235			240			
149	Phe	His	Ala	Gly	Pro	Arg	Asn	His	His	Leu	Phe	Ala	Ser	Arg	His	His
150						245			250			255				
152	Thr	Gly	Arg	Gly	Leu	Pro	Ser	Leu	Ser	Ala	Tyr	Ala	Ile	Ser	His	Ser
153						260			265			270				
155	Met	Ser	Arg	Ser	His	Phe	His	Glu	Asp	Glu	Asp	Gly	Tyr	Thr	His	Arg
156						275		280			285					
158	Val	Lys	Arg	Ser	Arg	Pro	Asn	Ser	Pro	Asn	Ser	Thr	Ala	Pro	Ser	Ser
159						290		295			300					
161	Pro	Thr	Phe	Ser	His	Asp	Ser	Leu	Ser	Pro	Thr	Pro	Asp	His	Thr	Pro
162		305					310			315			320			
164	Leu	Ala	Thr	Pro	Ala	His	Ser	Pro	Arg	Leu	Arg	Ser	Leu	Gly	Ser	Ser
165						325			330			335				
167	Glu	Leu	His	Leu	Pro	Ser	Ile	Arg	His	Leu	Ser	Leu	His	His	Thr	Pro
168						340			345			350				
170	Ala	Leu	Ala	Pro	Met	Glu	Pro	Gln	Pro	Glu	Gly	Pro	Asn	Tyr	Tyr	Ser
171						355		360			365					
173	Pro	Ser	Gln	Ser	His	Gly	Pro	Thr	Ile	Ser	Asp	Ile	Met	Ser	Arg	Pro
174						370		375			380					
176	Asp	Gly	Thr	Gln	Arg	Lys	Leu	Pro	Val	Pro	Gln	Val	Pro	Lys	Val	Ala
177						385		390			395			400		

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179 Val Gln Asp Met Leu Asn Pro Ser Ala Gly Phe Ser Ser Val Ser Ser  
180 405 410 415  
182 Ser Thr Asn Asn Ser Val Ala Gly Asn Asp Leu Ala Glu Arg Phe  
183 420 425 430

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/936,367

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TIME: 11:13:12

Input Set : A:\PTO.AMC.txt

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L:1 M:259 W: Allowed number of lines exceeded, (1) GENERAL INFORMATION:

L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date